

## **EVENT: INDUSTRIAL VISIT – BSNL, RTTC**

**Name of the Event:** Industrial visit

**Date of Event:** 3 February 2024

**Time:** 9:30 A. M. to 1:30 P.M.

**Location:** BSNL Office, Regional Telecom Training Centre, Erragadda, Hyderabad –18.

**Faculty In – Charge:** Ms. B. Kavitha

**Number of Students participated:** 28.

**Number of faculty participated:** 01.

### **Objective:**

Through an exploration of facilities and training tools, BSNL sought to provide students with a practical grasp of the telecommunication infrastructure. It also provided the opportunity to explore BSNL's operations and highlight its role in preserving and growing the country's telecom network.

### **Introduction:**

The first-year students of B. Sc. Computer Science & Machine Learning (ACSML) attended BSNL, Regional Telecom Training Centre, located at Erragadda on 3 February 2024, Saturday with the faculty in charge Ms. B. Kavitha. A total of 28 students attended the sessions conducted by them.

The sessions students experienced during their visit were listed below.

**Session I:** Telecommunication Networking by Mr. Ramesh from 10:00 A.M. to 11:15 A.M.

During the discussion, they spoke about communication channels, or transmission media. They addressed about a variety of data transmission techniques, including satellite and terrestrial transmission, guided and unguided media and more. During the orientation, fundamentals of landline communications, including copper and fibre optic connections were presented.

**Session II:** Battery and Power Connections by Mr. Krishna Reddy from 11:15 A.M. to 12:15 P.M.

The main topics of discussion at the session included current supply, different types of current, and how to connect mobile calls. The way battery's function and the relationship between plants and batteries.

**Session III:** Networking lab by Mr. Prasanth, SDE from 12:00 P.M. to 1:00 P.M.

The focus of the session was on using a router for network access and communications. The process of accessing a router both locally and worldwide, varieties of routers used by business users as well as individual users.

**Session IV:** Mobile Communication – 5G Communication lab by Mr. Amish, SDE from 1: 00 P.M. to 1:45 P.M.

The session went over the development of the 5G network, its iterations, the rationale behind these iterations, as well as its goals, limitations, and services. Building towers and sending signals through them for 5G networks.

**Outcome:**

To help students understand how RTTC, Hyderabad contributes to the skill development of telecom workers, and to introduce them to the training programs offered by the center. It was intended to bridge the gap between academic understanding and real – world applications in the ever – evolving telecom industry.

**Photo Gallery:**



Photos depicting the orientation given to students on various working components and environment of BSNL by trainers.



Feb 3, 2024 10:27:02 AM  
Sanath Nagar Hyderabad Telangana



Group photo of ACSML students near RTTC, Erragadda, Hyderabad.